

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 18	
2. Amendment/Modification No. P00001		3. Effective Date 2007MAY31		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By U.S. ARMY TACOM LCMC AMSTA-AQ-ADEF SAM CAMPANELLA (586)574-7623 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: SAM.CAMPANELLA@US.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA PHILADELPHIA 700 ROBBINS AVENUE, BLDG 4-A P.O. BOX 11427 PHILADELPHIA, PA 19111-0427 SCD B PAS NONE ADP PT HQ0337		Code S3915A	
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) JLG INDUSTRIES, INC 221 SUCCESS DRIVE MCCONNELLSBURG, PA 17233-9502 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
						9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. W56HZV-07-D-A001	
						10B. Dated (See Item 13) 2007JAN30	
Code 1YHH8		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A. The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input checked="" type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: MUTUAL AGREEMENT OF THE PARTIES					
<input type="checkbox"/>		D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2012DEC30							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) HEIDI L. HENDERSON HEIDI.HENDERSON@US.ARMY.MIL (586)574-8109			
15B. Contractor/Offeror _____ (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2007MAY31	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of this Requirements Contract Modification P00001 is to change the contract as follows:
- a. Section J, Exhibit A, CDRLs A001 through A027 are deleted and replaced by Exhibit A, CDRLs A001 through A027.
 - b. Section J, Exhibit A, CDRL A028 (New Equipment Training Materials - Training Documents) is added.
 - c. Section B, CLIN 0108AA - ELIN A028 (New Equipment Training Materials - Training Documents) is added.
 - d. Section C, Scope of Work, paragraph C.8.2.6.4 is divided into 2 sub-paragraphs to separate the requirements for training materials to be provided in ASAT format and training materials sent to TACOM New Equipment Team (Mr. Bedra). The Section C, Scope of Work, paragraphs C.1 through C.20 is reprinted in its entirety with the changes to paragraph C.8.2.6.4.
2. Except as provided herein, all other terms and conditions remain unchanged and in full force and effect.

*** END OF NARRATIVE A 0002 ***

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0108AA	<u>DATA ITEMS - EXHIBIT A</u>				
A001	CONTRACTOR'S PROGRESS, STATUS AND MGT REPORT Contractor's Progress, Status and Management Report per CDRL A001 and C.4	1	LO	\$ ** NSP **	
A002	CONFERENCE MINUTES Conference Minutes per CDRL A002 and C.5.4	1	LO	\$ ** NSP **	
A003	CONFIGURATION STATUS ACCOUNTING INFORMATION Configuration Status Accounting Information per CDRL A003 and C.6.1.1	1	LO	\$ ** NSP **	
A004	LMI SUMMARIES NOUN: MAINTENANCE ANALYSIS Maintenance Analysis per CDRL A004 and C.8.2.1	1	LO	\$ ** NSP **	
A005	SPECIAL EQUIP TOOLS & TEST EQUIP LIST NOUN: STTE Special Equipment Tools & Test Equipment List per CDRL A005 and C.8.2.1.2	1	LO	\$ ** NSP **	
A006	LMI SUMMARIES NOUN: NMWR DATA SUMMARY NMWR Data Summary per CDRL A006 and C.8.2.1.3.2	1	LO	\$ ** NSP **	
A007	ELECTRONIC DIAG TESTABILITY ANALYSIS Electronic Diagnostic Testability Analysis per CDRL A007 and C.8.2.2.1	1	LO	\$ ** NSP **	
A008	ANALOG DIAG TESTABILITY ANALYSIS Analog Diagnostic Testability Analysis per CDRL A008 and C.8.2.2.2	1	LO	\$ ** NSP **	

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A009	LMI DATA PRODUCTS NOUN: EDFP Engineering Data For Provisioning per CDRL A009 and C.8.2.3.2	1	LO	\$ 35,528.00	
A010	LMI DATA PRODUCTS NOUN: PROVISIONING DATA (PPL) Provisioning Data (PPL) per CDRL A010 and C.8.2.3.3	1	LO	\$ 356,663.00	
A011	TECHNICAL MANUAL (TM) NOUN: COMPILED IETMS Compiled IETMs per CDRL A011 and C.8.2.4.2.1	1	LO	\$3,046,173.00	
A012	TECHNICAL MANUAL (TM) NOUN: UN-COMPILED IETMS Un-Compiled IETMs per CDRL A012 and C.8.2.4.2.1	1	LO	\$ ** NSP **	
A013	TECHNICAL MANUAL NOUN: DA OPERATOR'S MANUAL DA Operator's Manual per CDRL A013 and C.8.2.4.2.4	1	LO	\$ 151,885.00	
A014	TECHNICAL BULLETIN (TB) NOUN: WARRANTY TB Warranty TB per CDRL A014 and C.8.2.4.2.5	1	LO	\$ ** NSP **	
A015	SPECIAL PACKAGING INSTRUCTIONS (SPI) NOUN: PKG DATA, SPI, & TEST RESULTS Special Packaging Instructions per CDRL A015 and C.8.2.5	1	LO	\$ ** NSP **	
A016	TRAINING MATERIALS NOUN: LESSON GUIDES IN ASAT Lesson Guides In ASAT per CDRL A016 and C.8.2.6.4	1	LO	\$ ** NSP **	

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A017	TRAINING MATERIALS NOUN: TRNG COURSE CONTROL DOCUMENT Training Course Control Document per CDRL A017 and C.8.2.6.5	1	LO	\$ ** NSP **	
A018	TRAINING MATERIALS NOUN: TRNG COURSE COMPLETION REPORT Training Course Completion Report per CDRL A018 and C.8.2.6.6	1	LO	\$ ** NSP **	
A019	TRANSPORTABILITY REPORT Transportability Report per CDRL A019 and C.9	1	LO	\$ ** NSP **	
A020	CAMOUFLAGE LINE ART DATA Camouflage Line Art Data per CDRL A020 and C.10	1	LO	\$ ** NSP **	
A021	SAFETY ASSESSMENT REPORT NOUN: SAR Safety Assessment Report per CDRL A021 and C.11.2	1	LO	\$ ** NSP **	
A022	HAZARDOUS MATS MGT PROG (HMMP) REPORT NOUN: HMMP HMMP Report per CDRL A022 and C.12	1	LO	\$ ** NSP **	
A023	TECHNICAL REPORT-STUDY SERVICES NOUN: WARRANTY STATUS REPORT Warranty Status Report per CDRL A023 and C.13	1	LO	\$ ** NSP **	
A024	CONTRACTOR TECHNICAL SERVICE REP REPORT NOUN: TSR REPORT TSR Report per CDRL A024 and C.17	1	LO	\$ ** NSP **	
A025	FAILURE ANALYSIS & CORRECTIVE ACTION REPORT NOUN: FACAR Failure Analysis And Corrective Action Report per CDRL A025 and E.8	1	LO	\$ ** NSP **	

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A026	SCIENTIFIC AND TECHNICAL REPORTS NOUN: CONTRACTOR TEST REPORT Contractor Test Report per CDRL A026 and E.5	1	LO	\$ ** NSP **	
A027	TECH DRAWING PKG FOR CREW PROT A/B KIT Technical Drawing Package For Crew Protection A/B Kit per CDRL A027 and C.20	1	LO	\$ 35,171.00	
A028	NEW EQUIPMENT TRAINING MATERIALS NOUN: TRAINING DOCUMENTS Training Documents per CDRL A028 and C.8.2.6.4 (End of narrative B001)	1	LO	\$ ** NSP **	

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
C.1 HARDWARE DELIVERIES

C.1.1 ALL TERRAIN LIFTER ARMY SYSTEM (ATLAS) II.

All ATLAS II vehicles shall meet the technical requirements of Purchase Description (PD) Truck, Fork, Variable Reach, Rough Terrain, 10,000-Pound Capacity PD No. ATPD 2325 (29 April 2005). This statement of work describes the Government and the Contractor responsibilities in support of the ATLAS II Program. Delivery Orders will specify the quantity, delivery dates, destinations, and paint color. All hardware listed in C.1.2, C.1.3, and C.1.4 shall be included in the unit price of the vehicle.

C.1.2 Basic Issue Items (BII)

BII are those minimum items essential to place the ATLAS II in operation, to operate it, and to perform routine operator maintenance and emergency repairs which cannot be deferred until completion of an assigned mission. These may include those select common and special purpose tools, operator publications, and safety equipment (for example fire extinguishers) authorized for the ATLAS II. These will be separately listed by NSN in a table as an appendix in the operator's manual. The contractor shall provide the BII list and shall overpack the components (boxed and strapped to the vehicle) with each vehicle.

C.1.3 Initial Service Package (ISP)

The contractor shall overpack (box and strap to the vehicle) the list and the components of the ISP with each vehicle. The ISP shall consist of all service parts/items required to meet warranty service intervals and perform the first scheduled maintenance. The contractor shall mark each item with the nomenclature and part number and if available, an NSN, to ensure the correct application.

C.1.4 Component of End Items (COEI)

COEI are those components that are part of the end item but which must be removed from the ATLAS II and separately packaged for military transportation. These will be separately listed by NSN in a table as an appendix in the operator's manual. The contractor shall overpack the list and the components with each vehicle.

C.2 DATA

The contractor shall deliver all data in English in accordance with the requirements in Exhibit A. All data delivered under this contract shall be submitted electronically via diskette/CD ROM or electronic mail in MS Office compatible format.

C.3 RESERVED

C.4 CONTRACT DATA STATUS AND SCHEDULE REPORT

The contractor shall prepare and submit a quarterly status report of work accomplished and data deliverables. The report will be developed in your format, with concurrence from the Government. It is the Governments intention that the quarterly status report will be divided into sections as follows: 1) Reports/Data (Transportability, Safety Assessment Report, etc.), 2) Provisioning, 3) Technical Manuals, 4) Engineering/Testing. The Contractor shall identify the objective of the work that is to be performed, work accomplished during the reporting period, deliverables provided during the reporting period, all work scheduled for the next reporting period, and any outstanding issues or problems. The report shall be submitted in accordance with CDRL A001 for the duration of the contract.

C.5 MEETINGS AND REVIEWS.

C.5.1 Objective. The contractor and government will periodically have meetings and reviews during this contract's performance period, as outlined in C.5.2 below. The objectives of these meetings are to review progress and provide guidance on technical, logistics, contractual or other issues that come up during performance. When meetings are at the contractor's facility, the contractor will make the following available for the government's use: production or other required versions of the ATLAS II needed for viewing; required technical, logistics or other documentation (including drawings, computer data bases, publications, and other required data); and computer resources, as needed.

C.5.2 Meetings. The contractor shall participate in following meetings:

a. Start-of-Work Meeting. Within 30 days of contract award, we will hold a Start of Work meeting at TACOM. This meeting may last up to three days. The contractor shall present its plan to manage and develop logistics products and services. The meeting will focus on reviewing the following:

- Contract terms and conditions
- All data requirements
- Required specifications
- Schedule

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Test requirements
Logistics requirements

b. Pre-Test Meeting, to review and discuss testing, support, and training. This meeting shall be held 10 days prior to beginning government Production Verification Test/First Article Test (PVT/FAT) at Aberdeen Proving Ground, MD, and shall last one day.

c. Program Status Reviews. We will conduct Program Status Reviews (PSRs) approximately every 90 days until Full Material Release is achieved, starting 90 days after the Start of Work meeting until completion of all data deliverables. The meetings will cover the contractor's production status, data deliverable status, and progress on all logistics requirements. Supportability Integrated Product Team (SIPT) meetings will be part of the PSRs. Unless the PCO specifies otherwise, we will hold the reviews at US Army Tank-automotive and Armaments Command, Warren MI, and they will last up to two days. The government and contractor will jointly schedule the meetings and establish the agenda.

d. In-Process Reviews (IPRs). The government may request periodic IPRs at the contractors facility to identify improvements to the contractors manuals, show progress to date, or review data or QA process.

e. Provisioning Conference. Provisioning Conferences will be held in accordance with C.8.2.3.5.

C.5.3. User Jury. The contractor shall notify the Government when the initial PVT/FAT vehicle(s) have been manufactured. Upon notification that the initial ATLAS II forklifts have been produced, the Government will convene a User Jury at the contractors facility, lasting not more than 3 business days. The User Jury will consist of the Armys subject matter experts on Materiel Handling Equipment (MHE) and include a review and assessment of the ATLAS II configuration, operability and maintainability features. The User Jury assessments may result in recommended configuration changes to the ATLAS II. Changes to the ATLAS II production configuration resulting from the User Jury assessments may be subject to an equitable price adjustment.

C.5.4 Minutes. The Contractor shall develop and submit minutes for each meeting with the Government, within 5 working days after the meeting, in accordance with CDRL A002.

C.6 CONFIGURATION CHANGES

C.6.1 Vehicle Configuration Changes

The contractor shall establish a configuration baseline after completion of Production Verification Test and Government Approval of First Article Test.

C.6.1.1 Engineering Changes Contractor Initiated.

a. It is acknowledged that the contractor may want to offer to the Government configuration changes being introduced to its production during the term of this contract. However, it is important for us to assess the impact of any proposed vehicle changes to the logistics and technical requirements established for this program. The contractor is therefore required to notify the Contracting Officer prior to implementing any configuration changes. The contractor shall submit the configuration change and status information in accordance with CDRL A003.

b. A request for change must be accompanied by supporting documentation and/or information to support our review and decision process. If necessary to validate the change, we reserve the right to require the contractor to do additional tests, up to and including a full First Article Test at no additional cost to the Government.

c. Submit the requests for changes to the configuration baselines to the Contracting Officer at least 60 days before the proposed application date. We reserve the right to disapprove the change within 30 days of receipt of the request. Requests for a change must include the following:

- (1) Rationale to support the necessity of making the change.
- (2) Any test results, planned testing, or other information on previous application of the change to show acceptability.
- (3) Identification of the affected parts and assemblies, drawings, sketches, calculations, and other data necessary to define the nature of the change the contractor is proposing.
- (4) Identification of any impact to manuals, maintenance procedures, repair parts stockage, special tools and test measurement and diagnostic equipment.
- (5) Any proposed decrease in contract price.

d. Government approval of your change does not relieve you from your responsibility to furnish all items in conformance with the contract performance requirements. You shall accept full responsibility for any failure in the operation of the equipment that renders the vehicle not operationally ready as a result of changes we approve.

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e. Any adjustment in contract price resulting from any of the changes shall be negotiated between the parties. Downward adjustments in the contract price may occur due to replacement costs of obsolete parts, introduction of special tool, changes in logistics support, or changes to technical manuals since these types of action require Government review, processing and administrative effort. We will not be responsible for additional cost of vehicles, testing or software associated with any change. The Government will not be liable for any cost you may incur due to delay in contract performance as a result of any request for change.

C.6.1.2. Engineering Changes - Government Directed. If the Government would like to change the vehicle configuration, the Procuring Contracting Officer (PCO) will notify you by a request for a technical and price proposal. You shall furnish the proposal, at no cost, within 30 days of receipt of request. Your proposal shall include statements of impact for Integrated Logistics Support, Transportability and MANPRINT.

C.7 VEHICLE HAND-OFF

The contractor will provide a representative to participate in the hand-off of all equipment deliverable under this contract to each gaining unit. The contractor representative will provide technical and operational support and activate the vehicle warranty. The contractor shall deliver all the vehicles ready to operate prior to New Equipment Training. Vehicle hand off costs for OCONUS only will be negotiated after contract award. The hand-off effort includes:

- a. Re-assembly of the vehicle to a fully operational configuration if the vehicle is shipped with any components removed. All tools and equipment required to complete the re-assembly will be the contractor's responsibility.
- b. Inventory of any material shipped with the vehicle, e.g., technical publications, special tools, initial service packages. (If desired, the inventory may be done concurrently with the units inventory.)
- c. Provide one-hour familiarization to 6 to 8 people from the receiving unit on first machine delivered so they can safely move the vehicle until full training is conducted. Familiarization includes operator start-up, operating and shut down procedures, safe operations, and daily and weekly service locations and checks.
- d. Activation of the warranty, which includes stamping the effective date (date of delivery to gaining unit) on the vehicle warranty data plate, discussing with the unit the terms and details of warranty administration, and pointing out the warranty information included in the TMs.

C.8 LOGISTICS MANAGEMENT

C.8.1 Logistics Management. The contractor shall plan and manage an Integrated Logistics Support (ILS) program to ensure supportability for the system through testing and fielding. The contractor shall appoint an ILS Manager responsible for the entire logistics scope of this contract. The contractor shall present an overview of his plan to manage and develop logistics products and services at the start of work meeting. The contractor shall participate in (co-chair) government scheduled Supportability Integrated Product Team (SIPT) meetings as necessary.

C.8.2 ILS Development. The contractor shall conduct Supportability Analyses to develop logistics products described in this contract. The contractor will use MIL-PRF-49506, Performance Specification, Logistics Management information, in identifying content, format, delivery and related guidance for logistics data.

C.8.2.1 Maintenance Planning

C.8.2.1.1 Maintenance Analysis. The contractor shall conduct Supportability Analysis to determine the maintainability characteristics of the ATLAS II system. The analysis shall be documented in the contractors format as an LMI summary entitled Maintenance Analysis, and will identify the maintenance functions, level of maintenance, manpower, spare parts and support equipment required for each repairable item. The analysis will reflect the Army's two-level maintenance concept of Field Maintenance and Sustainment Maintenance. The analysis will be in end item hardware breakdown sequence, and will also identify Functional Group Codes In Accordance With TB 750-93-1 (with Change 5, dated 27 Jun 1983), for each repairable item. Instructions are contained in Attachment 002, Maintenance Analysis. The LMI summary shall be delivered IAW CDRL A004.

C.8.2.1.2 Support Equipment Tools and Test Equipment (STTE). The contractor shall conduct Supportability Analysis and deliver a list of Support Equipment Tools and Test Equipment in accordance with CDRL A005. The list shall be in tabular form and shall identify special tools and test equipment not contained in U.S. Army Supply Catalogs. Supply Catalogs (SC) contain common tool sets and are listed at US Army LOGSA web site at <https://weblog.logsa.army.mil/sko/index.cfm>. Maximum use of common tools, support equipment, and TMDE normally organic to the user is preferred. The list shall provide Nomenclature, Cage Code, National Stock Number (NSN), if assigned, Part Number, level of maintenance, and price of each item on the list.

Note: New TMDE items, those not identified in U.S. Army Supply Catalogs may require special source and calibration documentation in order to update/provide data for possible inclusion to the TMDE register (DA Pam 700-21-1). The contractor shall provide all required data for all new TMDE.

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C.8.2.2 DIAGNOSTICS.

C.8.2.2.1 Electronic Diagnostic And Prognostic Testability Analysis. The contractor shall perform a testability analysis of the ATLAS II diagnostic and prognostic capability, to include number and types of diagnostic and prognostic tests available for all ATLAS II components, assemblies, systems, and sub-systems. The report shall specify number and types of required TMDE, as well as a brief narrative description of the benefits to be derived from each diagnostic and prognostic test. The report shall contain all standard and proprietary data, data descriptions and error codes necessary to communicate with the electronic control module (ECM) / electronic control unit (ECU) and to maintain the electronically controlled subsystems. The contractor shall provide data, which specifies limits for all parameters, and how to interpret data outside limits. The contractor shall maximize the use of embedded Built-in Test (BIT) / Built-in Test Equipment (BITE) diagnostic and prognostic capabilities. All data buses and diagnostic connectors shall also be identified in detail. The Analysis shall be delivered in accordance with CDRL A007.

C.8.2.2.2 Analog Diagnostic/ Prognostic testability Analysis. The contractor shall perform a testability analysis of the ATLAS II. The report shall include documentation showing complete analog fault isolation capabilities, troubleshooting methodology and prognostic capability for the ATLAS II. The contractor will refer to the list of proposed tests that are referenced in Attachment 015, the DCA Design Guide (Report # CR-82-588-003 Rev 1). The contractor can add to or delete tests from Appendix C as necessary to best obtain ATLAS II diagnostics. The contractor shall also provide the original equipment manufacturer's recommended minimum and maximum parameters for all Diagnostic Connector Assembly (DCA) and Transducer Kit (TK) monitored components. The contractor shall specify level of difficulty and time required to physically access test points and type of TMDE required. The Analysis shall be delivered in accordance with CDRL A008.

C.8.2.3 PROVISIONING

C.8.2.3.1 Provisioning Process: The contractor shall provide LMI Data Products (Engineering Data For Provisioning and Provisioning Parts Lists) for parts on each vehicle to be provisioned. Incremental submission of provisioning data is authorized. Each incremental submission shall have no more than 1500 lines per submission. The contractor shall include at least one major assembly in each increment, until all major assemblies have been provisioned. The configuration of the approved FAT vehicle will be the logistics configuration baseline for provisioning and publications.

C.8.2.3.2 Engineering Data for Provisioning (EDFP): Data shall consist of illustrations such as company drawings or commercial parts book pages that clearly identify each new item and its part number. Illustrations shall be annotated with the affected Provisioning Line Item Sequence Number (PLISN) and Provisioning Contract Control Number (PCCN) for the system. The contractor shall furnish an illustration either hard copy or electronic that is legible and representative for each new or changed part number in accordance with CDRL A009.

C.8.2.3.3 Provisioning Master Record (PMR): The contractor shall create and update a PMR for the ATLAS II. Provisioning Conferences will be held at a mutually agreed upon location. All submissions will be labeled initial, changes, deletions or any combination of the three transactions. The contractor shall use the on-line feature to create and update the PMR. The government will provide passwords and instruction for use of this feature. The data will go into a suspense file, to be executed by the government. The data will not be considered accepted until it has passed all manual and computer edits for the system, and the active PMR has been successfully updated. Within 24 hours of each PMR update, the contractor shall notify the government that they updated the PMR and will provide a list of PLISNs submitted, sorted by PCCN, via email to the government representative specified. All submissions of the LMI/PPL data must be compatible with our Commodity Command Standard System (CCSS)/Provisioning On Line System. All LMI data products shall be prepared and delivered in accordance with Attachment 004 (Provisioning Requirements Worksheet) and CDRL A010.

C.8.2.3.4. Provisioning Screening. Contractor shall conduct provisioning screening of each item on the PPL using the Federal Logistics Information System (FLIS) for standardization or NSN assignment. Provisioning screening results will be used to select valid part numbers, NSNs, and current unit of measure/issue prices for provisioning purposes. The screening results shall be provided at each Provisioning Conference.

C.8.2.3.4.1 FLIS. For additional information on requesting software and passwords, refer to the Provisioning Screening User Guide at <http://www.dlis.dla.mil/PDFs/provscr.pdf>.

C.8.2.3.4.2 WEBFLIS. For additional information on WEBFLIS, go to *HYPERLINK "http://www.dlis.dla.mil/webflis www.dlis.dla.mil/webflis. There are two versions of WEBFLIS: Public Query and Restricted/Sign-on. Anyone with access to the Internet may access the Public Query version. The Restricted/Sign-on version requires a valid userid/password to access the system. Userids may be obtained by filling out a registration form. The registration forms are found on the Defense Logistics Information Service (DLIS) web site at <http://www.dlis.dla.mil/>. After accessing the Home Page, go into the Forms and Publications section and select the registration form for WEBFLIS. There are two forms available - one for government workers and one for government sponsored contractors.

C.8.2.3.4.3 Batch submittals to DLIS. For additional information on how to submit batch requests to DLIS, refer to the Provisioning Screening User Guide at *HYPERLINK "http://www.dlis.dla.mil www.dlis.dla.mil.

C.8.2.3.5 Provisioning Conference. Provisioning conferences will be held at a mutually agreed upon location. The Contractor shall make available two hard copies of LMI/PPL data and a hard copy of the EDFP illustrations for each Provisioning Conference.

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C.8.2.4 EQUIPMENT PUBLICATIONS

C.8.2.4.1 The following are the required Operation, Maintenance and Repair Part Manuals that will cover the ATLAS II:

TM 10-3930-XXX-10	Operators Manual
TM 10-3930-XXX-13&P	Field and Sustainment Manual including RPSTL (IETM)
TB 10-3930-XXX-14	Warranty Technical Bulletin

C.8.2.4.2 The Contractor shall prepare and deliver the following:

C.8.2.4.2.1 You shall develop the Operators and Field and Sustainment Manuals including RPSTL cited above as an IETM IAW MIL-STD-40051-1, Attachment 008 (Publications Requirements), Attachment 009 (RPSTL Requirements), Attachment 005 (-13&P Requirements Matrix), and related CDRLs A011 and A012, using the government furnished Electronic Maintenance System (EMS).

C.8.2.4.2.2 The Contractor will take full advantage of the intrusive testing and data bus interrogation capability of the Next Generation (NG) EMS software and the vehicles on-board Electronic Control Units/Modules. You will design the IETM troubleshooting with intrusive testing and data bus interrogation to help the mechanic accurately isolate the fault. Your IETM intrusive diagnostic approach will be based on our comment and review of your intrusive testability analysis report. The intrusive testing will minimally include the following subsystems: engine, engine history data storage, and transmission.

C.8.2.4.2.3 The Contractor shall create the IETMs via the NG EMS content creation web portal. All tools necessary to create the IETM will be available on the web portal. The IETM content generated will be stored in the NG EMS Content Management System (CMS).

C.8.2.4.2.4 You shall also develop the Operators Manual cited above as a Page-Based document/ETM IAW MIL-STD-40051-2, Attachment 008 (Publications Requirement), Attachment 006 (-10 Requirements Matrix), and related CDRL A013. This can be output from the CMS just as the -10 IETM will be.

C.8.2.4.2.5 You shall develop the Warranty TB cited above as a Page-Based document/ETM IAW MIL-PRF-63034B (Bulletins, Technical-Warranty, Preparation of), Attachment 010 (Sample Warranty TB), Attachment 007 (Content/Format Selection Summary Sheet), and related CDRL A014.

C.8.2.4.2.6 The Government requires the following instructions: Inspect, Test, Service, Adjust, Align, Calibrate, Remove/Install, Replace, and Repair which includes Fault Isolation/Troubleshooting, Removal/Installation, Disassembly/Assembly procedures, and Maintenance Actions to identify problems and restore serviceability to an item on all Field level (Unit and Direct Support) components and parts including the listing of items found in Attachment 008 (Publications Requirements).

C.8.2.4.3 You shall perform a 100% validation on all IETM/ETM data to ensure accuracy, compatibility and completeness. You shall ensure that the data accurately reflects and supports only the ATLAS II configuration procured and any and all changes to the configuration resulting from testing, vendor parts supply and production line changes. You shall notify the Government of your planned validation schedule, start date, time, and location of validation 30 days prior to start of your validation; this will allow us time to attend and observe your processes. The Government holds open the option to conduct verification separate from the Contractors validation.

C.8.2.4.4 You shall correct all errors found in all publication deliverables resulting from Contractor and Government Reviews, validation, and verification at no additional cost to the Government.

C.8.2.4.5 The Government will review the Draft manuals to determine if the manuals are complete enough to go to verification (if conducted separately from the Contractors validation) or be returned for corrections. If the Draft manuals pass this review, the Government will perform its verification of the manuals. The Government retains the right to conduct its verification by witnessing the Contractors validation.

C.8.2.4.6 You are required to validate the accuracy and usability of all publication deliverables. You shall have and use documented QA Review Processes and Inspections. The Government has the right to review validation records and witness validation processes. The Government has the right to verify all publication deliverables. Government reviews and verification may be done through statistical sampling and a mix of on-screen review and actual performance; but could include actual performance of all procedures and review of all screens, if deemed necessary by the Government. The Government does not intend to review and verify every screen at every review, but relies on complete, careful editing and review by the Contractor. If there are indications that the Contractor has performed incomplete or inadequate QA reviews, the Government may elect to return products for rework and perform additional reviews on reworked product.

C.8.2.5 Packaging Development. The contractor shall develop and provide packaging data for all TACOM-managed provisioned items (i.e., P coded items other than PR or PZ), logistics data elements for non-TACOM managed items, and maintain and update packaging data for each provisioned item. The contractor shall assess changes and provide packaging impact statements with Engineering Changes submitted per paragraph C.6. For each approved change, the Contractor shall provide new data if sufficient data is not in the TACOM packaging files.

C.8.2.5.1 Packaging/Logistics Data Entry. The Contractor shall develop, maintain and update packaging data IAW Attachment 011 (LMI

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Packaging Data Products), Attachment 012 (LMI Packaging Data Transaction Format), and CDRL A015. LMI data is required IAW MIL-PRF-49506 and will provide for the entry of information to the computer data base known as the TACOM Packaging Data File.

C.8.2.5.2 Special Packaging Instructions (SPI). The Contractor shall develop a SPI for each TACOM-managed item. The TACOM-managed items are expected to be mainly, but not exclusively, comprised of reparable components, and would include items such as those being considered as NMWR candidate components. Packaging processes and materials shall be described for cleaning, drying, preserving, unit, intermediate (as applicable), and exterior packing, marking, and unitization. Figures and narrative data shall be developed to describe the form, fit, and function of packaging in sufficient detail for production. The format and content of SPI shall be IAW CDRL A015.

C.8.2.5.3 Validation Testing of Preservation Processing and Packaging. The Contractor shall validate packaging for each item IAW appendix F of MIL-STD-2073-1D (Standard Practice for Military Packaging). After validation the contractor shall submit a test report that includes photographic records of package and testing and shall be provided concurrently with the SPI submittal (paragraph C.8.2.5.2) IAW CDRL A015.

C.8.2.6 TRAINING

C.8.2.6.1 Test Support Training: The contractor shall develop and conduct an introduction to the vehicle for Government support personnel prior to initial testing. Training dates will be negotiated between the contractor and Government. The training will cover system operation and controls required to safely operate the vehicle. The training shall be at least 50% hands on training. The maximum length of the training class is 8 hours. The training shall be conducted at a facility negotiated by the Government. The contractor shall conduct training for a maximum of 12 personnel. Contractor may use commercially available material for this course.

C.8.2.6.2 Operational Tester Training: The contractor shall develop and conduct an Operational/Technical Training Course for Government personnel and Test Players prior to testing. Training dates will be negotiated between the contractor and Government. The training will cover system operating principles and procedures, characteristics, capabilities and limitations, and the maintenance troubleshooting and repair procedures required to satisfy Government testing. The training shall be 70% hands on training. The maximum length of the training class is 40 hours. The training shall be conducted at a facility negotiated by the Government. The contractor shall conduct training for a maximum of 12 personnel. A sample course outline is provided as follows:

Vehicle Introduction and Familiarization
Controls and Instrumentation
Safety
Operator Preventive Maintenance Checks & Services (PMCS) - Before
Operation of the Vehicle
Operator Preventive Maintenance Checks & Services (PMCS) - During
...Operation of the Vehicle continued...
Installation, Operation, and Disconnection of the Attachments & Attachment PMCS
Operator Preventive Maintenance Checks & Services (PMCS) - After
Maintenance Significant Items (Items required to be maintained during the test and anticipated problem areas)
Review and Critique

C.8.2.6.3 Instructor and Key Personnel (I&KP). The Contractor shall perform two I&KP classes, one operator and one maintenance course. The Contractor will use the NET programs developed in C.8.2.6.4 to train instructor and key personnel. The contractor shall provide vehicles, special and common tools, parts, training aides, materials, and facilities to conduct training. Target the courses for individuals who are instructors, skilled operators, and mechanics. A second Field Maintenance I&KP class may be required to train Logistics Assistance Representatives (LARs).

(PARAGRAPH C.8.2.6.4 REVISED BY MODIFICATION P00001)

C.8.2.6.4 New Equipment Training (NET) Programs

New Equipment Training Programs: ASAT Course Material Format/Media & Deliveries - The contractor shall develop the training materials using the Automated Systems Approach to Training (ASAT) software in support of course design and development for TRADOC Schools. The Government will provide access to the ASAT software. ASAT software can be downloaded at the ASAT homepage, <http://www.asat.army.mil>. This software will allow for interactive course design, development, pre-authoring, and authoring that is required by TRADOC. Specifically, the ASAT software supports task development, standardized critical task information, and lesson plan/Training Support package (TSP) production capabilities. The contractor shall deliver all course control documents and training materials in an editable ASAT electronic format. All training materials shall be delivered in accordance with CDRL A016.

New Equipment Training Programs - Training Materials - Non-ASAT: - The Contractor shall deliver a Plan of Instruction, Instructor Lesson Plans and a Student Training Guide. Training Materials shall contain equipment and component description, functional data, training handbooks that include, by sub-component for ATLAS II operation, setup and disassembly, inspection, testing, troubleshooting, and safety procedures. All training materials shall be formatted and delivered in accordance with CDRL A028.

C.8.2.6.4.1 NET Training Courses: Two courses shall be developed for the ATLAS II:

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- a. Operator and Operator Maintenance
- b. Field Maintenance

C.8.2.6.4.1.1 Operator and Operator Maintenance: The course shall be directed to operators of the ATLAS II, covering complete operation, safety, and Operator Preventive Maintenance Checks and Services (PMCS). At a minimum, the course shall be 70% hands on. The Course shall be no more than 40 hours in length.

C.8.2.6.4.1.2 Field Maintenance: The course shall be directed to the maintainers of the ATLAS II, covering PMCS, troubleshooting, diagnosis and repair of engine, fuel, transmission, axle, braking, electrical, hydraulic, pneumatic, boom, and ancillary systems. The course shall be directed toward new technologies and items not currently in the Army system.

C.8.2.6.4.1.3 NET Classes. The NET training will be held at the fielding sites. Fielding sites will be CONUS, OCONUS (non-contingency), and OCONUS (contingency) locations as specified in the Delivery Order. Except where specified, the requirements for CONUS and OCONUS (contingency and non-contingency) NET classes are the same. The contractor shall conduct training with the approved training materials developed under this contract. The contractor shall provide parts, training aids, and materials for all training classes. A maximum of 10 students will attend each class. For OCONUS (contingency) training, there is no limitation on which days during the week that the training will be held or which hours during the day it will be held. The duration of each day will be no more than 14 hours. Each delivery order will specify the training dates, locations, and number of classes. The travel costs, lodging, meals, and incidentals will be negotiated at the time the delivery order is issued, on a firm-fixed price basis, and not to exceed the Joint Travel Regulation.

C.8.2.6.5 Training Course Control Document: For each course, the contractor shall develop a Training Course Control Document describing the course content (subject, topics, task), training material, types and duration of instruction, and resources required to conduct training in an institutional setting. The Training Course Control Document shall contain front matter, introduction, course description data, outline of instruction summary, curriculum outline of instruction, course summary and presentation schedule. Deliver in accordance with CDRL A017.

C.8.2.6.6 Training Course Completion Report: The contractor shall complete and deliver a Training Course Completion Report upon completion of each class. The report shall include the course name, vehicle system, dates, student names, rank and MOS, last four number of the social security number (if military), home unit address, and evaluation of student performance and shall be submitted in accordance with CDRL A018.

C.9 Transportability Report.

The contractor shall submit a Transportability Report covering the ATLAS II vehicle in accordance with CDRL A019 that includes data on recommended procedures for positioning and securing the vehicle for transport by trailer and rail car, slinging procedures for lifting the vehicles, and procedures, man-hours and all tools required for any disassembly and re-assembly when transported by highway, rail, marine and air.

C.10 Camouflage Pattern Data.

The contractor shall provide in electronic format top, front, rear, left side, and right side view line art pictures of the entire ATLAS II at 90 degree angle in .JPG format, and Product Drawings in the same five views in AutoCad format, in accordance with CDRL A020. The purpose of this data is to provide the Government a basis for the development of camouflage drawings.

C.11 SAFETY ENGINEERING AND HEALTH HAZARDS

C.11.1 Safety Engineering Principles and Program. The contractor shall follow good safety engineering practices as established by the industry consensus standards and other pertinent regulations. The contractor shall maintain a system safety program in accordance with the Safety System Program Guide, Attachment 013. The contractor shall establish a system safety organization or function with lines of communication between system safety and other functional elements of the program to include overall management. The system safety organization should have the authority, or shall have the means, to acquire the authority for resolution of identified hazards.

C.11.2 Safety Assessment Report (SAR)

a. As a result of system safety analyses, health hazard evaluations such as the Health Hazard Assessment Report, and any independent testing, the contractor shall provide an updated safety and health hazard assessment. The safety and health hazard assessment shall identify all safety and health features of the hardware, system design and inherent hazards and shall establish special procedures and/or precautions to be observed by Government test agencies and system users.

b. The contractor shall prepare a Safety Assessment Report in accordance with CDRL A021 and this paragraph. The contractor shall identify all new Safety and Health Hazards associated with the system and incorporate them into the SAR. In preparing the hazard list portion of the Safety Assessment Report, the contractor shall provide a description and effects of each potential or actual safety and health hazard of the vehicle as well as when the hazard may be expected under normal or unusual operating or maintenance conditions. Identify actions taken to mitigate the risk associated with the hazards and categorize these risks before and after mitigation in

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accordance with the System Safety Program Guide. Risks must be identified by hazard severity, hazard probability and risk level. Mitigation actions include recommended engineering controls, equipment, and/or protective procedures to reduce the associated risk. Include in the SAR copies of the Material Safety Data Sheets (MSDS) for all hazardous materials incorporated into the system. The final updated SAR is subject to TACOM approval. Examples of hazards to be included in this report, but not limited to, are compliance issues with regulatory organizations, confined spaces, fire prevention issues, ergonomic hazards, sharp edges/moving parts, physical hazards (heat or cold stress, acoustical energy, etc.), chemical hazards (flammables, corrosives, carcinogens, etc.), toxic fumes (exhaust emission hazards), electrical issues, and noise.

C.12 HAZARDOUS MATERIALS MANAGEMENT

The contractor shall not use hazardous materials in accordance with paragraph 3.2.2 of the PD.

The contractor shall prepare Hazardous Materials Management Report which, at a minimum, shall identify all hazardous materials required for system production and sustainment, including the parts/processes that require them. This report should be prepared in accordance with National Aerospace Standard 411, section 4.4.1, and delivered in accordance with CDRL A022.

C.13 WARRANTY REPORT

In accordance with CDRL A023, the contractor shall submit a report reflecting all of the warranty claims processed on each vehicle within the appropriate reporting period. In addition to the data required by the DID, the report shall include the number of operating hours on the vehicle at the time of fault.

C.14 PRODUCTION VERIFICATION TEST VEHICLES (PVT)

The contractor shall furnish six (6) All-Terrain Lifter, Army System (ATLAS II) production vehicles in accordance with Purchase Description (PD) ATPD 2325 dated 29 April, 2005, Attachment 001. The vehicles will undergo a contractor PVT and government PVT (see clauses E.4, E.5 and E.6). The DoD Index of Specifications and Standards (DODISS) in effect at time of RFP release is the issue that will be used.

C.15 CONTRACTOR SUPPORT OF PRODUCTION VERIFICATION TEST/INITIAL OPERATIONAL TEST (PVT/IOT)

The Contractor shall be responsible for performing all scheduled maintenance and any unscheduled maintenance, within 24 hours of government notification, on the PVT vehicles. The contractor shall be responsible for providing all repair parts and other supplies. The government will provide fuel and lubricants. If the contractor chooses to preposition parts and supplies, the government will provide storage facilities at no charge. The contractor shall be liable to initiate corrective action within 24 hours of notification by the Government. The contractor shall provide qualified technical personnel to support government testing on an as needed basis to provide advice, trouble shooting, maintenance, and repair of the vehicle when requested by the government. The contractor must be at the test site within 24 hours of notification by the government.

C.16 VEHICLE REFURBISHMENT

Production Verification Test (PVT) Vehicles. Upon completion of PVT, you will be responsible for transporting the PVT vehicles to your facility. You will completely refurbish the PVT test vehicles to a like new condition and offer these vehicles as part of the contract quantity. The refurbishment must allow these vehicles to meet all required inspection and acceptance criteria for production forklifts delivered under the contract. We will negotiate with you for the refurbishment of the PVT vehicles. The contract will be subject to equitable adjustment.

C.17 CONTRACTOR TECHNICAL ASSISTANCE

The contractor shall provide Contractor Technical Assistance CONUS, OCONUS, and during contingency and non-contingency operations. The contractor shall provide the man-days of service specified in the contract modification. These man-days may be in support of unforeseen events that require support that is not included in any other portion of this contract. We anticipate the effort to include these types of tasks: investigation and diagnosis of problems or issues in the field related to vehicle performance, maintenance, and training. The Contracting Officer shall designate the times and locations of the service to be performed, but will not supervise or otherwise direct activities. The Contracting officer or his authorized representative shall notify the contractor at least three days in advance of CONUS travel and 20 days in advance of OCONUS travel of the date representative(s) are required. Instructions and established itineraries will be provided as necessary.

a. Field Service Representative (FSR). The contractor shall provide FSRs who are thoroughly experienced and qualified to advise and make recommendations to orient and instruct key government personnel with respect to operation, maintenance, and repair of the ATLAS II and its components.

b. FSR Personal Data. The contractor shall make available personal data related to the FSRs including documentary evidence such as birth certification and such evidence as is requested by the local government installation or area in which services are to be performed. The contractor shall request approval for each FSR and include a statement of qualification for each representative. Government approval

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shall be limited to granting or denying security clearance for the person(s) named. The contractor shall contact local personnel and comply with local procedures. The local personnel will be identified in the contract modification.

c. Man-Days. The contractor shall provide man-days of service to locations in both CONUS and OCONUS. The government reserves the right to change the number of days of services to be furnished to the extent necessary to conform to our requirements and shall be obligated to pay for only actual services used. Each change in quantity shall be at the Man-day rate established.

(1) The Man-day rate does not include travel costs (airfare, local car rental, lodging, meals, and incidental expenses) of the FSR while performing the services. The travel costs will be negotiated prior to the issuance of the delivery order on a firm-fixed price basis, and not to exceed the Joint Travel Regulation.

(2) A Man-Day is 8 hours. The representative is to work no more than 8 hours per day, 40 hours per week, unless otherwise negotiated. A Man-day of service includes any period during which the representative is delayed or prevented from performing any task only if the delay or non-performance is solely the government's fault. Man-Day(s) of service includes travel time for initial travel from contractor's facility to site of work, for travel between sites of work, and to contractor's facility. It also includes any time that the FSR is preparing required reports at the work site and we can verify the time involved in writing the report.

(3) Saturday/Sunday. When work is not performed on a Saturday/Sunday, and the representative is on site, a man-day shall be charged at the Saturday/Sunday man-day per diem rate only.

(4) Holidays. The government will pay for federal holidays in addition to the actual days worked at the Man-day rate established. The government is not responsible for vacation and other holidays and sick leave pay.

(5) Emergency Leave. The Government is not responsible for any emergency leave that the contractor may grant to the FSR while performing work under this contract. The government is responsible for actual days worked by any qualified contractor representative. It is immaterial whether the same representative completes the assignment. The negotiated price for travel costs will include only one complete round-trip transportation and travel costs between sites of work per assignment.

d. Contract Field Service Report/Field Service Representative (FSR) Reports. Each FSR shall prepare and deliver via e-mail a report in accordance with CDRL A024 following completion of each assignment covering his activities.

C.18 ATLAS II ELECTRONIC TRAINING AID (AETA)

C.18.1 The Army requires the ability to provide operator training for the ATLAS II any where in the world, in all environments, within 24 - 48 hours of being notified of the training requirement. Use of ATLAS II forklift to train operators is not acceptable, because it ties up critical Materiel Handling assets that are required to support ongoing mission requirement.

To ensure the Army has the capability to meet these training requirements the Army requires an ATLAS II Electronic Training Aid (AETA). The AETA will be used in its stand alone mode in standard classrooms at the U.S. Army Training and Doctrine Command (TRADOC) schools, but also must come in configurations that are quickly transportable by air, (containerized in air transportable 20 and 40 foot International Standard Organization (ISO) container, highway, rail, and sea and be offered with and without power generation capabilities to enable training under any conditions that the ATLAS II would conduct actual operations.

C.18.2 The core (classroom) AETA will consist of four major components: 1) Visual Display System (VDS), 2) Operator's Station (OS), 3) Instructor's Operation Station (IOS), and 4) an Electronic Control Module (ECM). The Classroom AETA shall be on a fixed motion base.

C.18.2.1 Visual Display System (VDS). The VDS shall provide an interactive, virtual world using a high resolution fully textured displays, that will visually emulate the complete range of actual ATLAS II operations, to include: start up procedures; driving the ATLAS II on-road and off-road; loading and un-loading ammunition, supplies, and equipment onto and from various modes of transport; loading and unloading various unit deployment containers (QUADCONS, Internal Aircraft/Helicopter Slingable Unit (ISU) 60 inch and 90 inch tall containers and TRICONS); handling Air Force 463L pallets with 10,000 pound gross weight loads; using the 6,000 lb and 10,000 lb carriages, transferring palletized or break-bulk cargo onto vehicles from aircraft; using the 6,000 lb fork carriage lifting and positioning a variety of industry standard pallets onto military and commercial semi-trailers and trucks; using 10,000 lb fork carriage and equipped with roller-tines directly load or unload 463L pallets onto or off of all USAF cargo transport aircraft ramps without USAF K loaders; equipped with the 6,000 lb fork carriage stuff and unstuff 40 inch x 48 inch pallets from chassis mounted 20 foot long International Standardization Organization (ISO) containers, and the front half of 40 foot long ISO containers without a ramp; loading and unloading palletized ordnance and supplies from 20 foot long containers, half-height ammunition containers, Palletized loading system (PLS) flat racks, and Container Roll-In/Out Platform (CROPS) flat racks.

C.18.2.2 Operators Station (OS). The OS will include an operator's seat, all cab and dash instrumentation and controls which will allow the student to virtually operate the ATLAS II forklift, controlling and performing all ATLAS II functions.

C.18.2.3 Instructor Operating Station (IOS). The IOS is the main simulation control point supporting the Instructors role in the simulated training. The IOS is attached to the students Operator Station and initializes/configures the students Operator Station, conducts training scenarios, allows the instructor to input monitors and assesses student performance, and maintains simulation

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scenarios and the approved curriculum.

C.18.2.4 Electronic Control Module (ECM). The ECM includes the main operating system and simulation software to allow simulation of ATLAS II operations.

C.18.3 The ATLAS ETA will be offered in the following configurations, all configurations identified below will include the four major AETA components identified in paragraph C.18.2 above:

C.18.3.1 Classroom, Single Unit (just the ATLAS ETA itself) shall be on a fixed motion base. It shall consist of the ATLAS II cab, to include the seat and all instruments and controls. It shall include a 6 foot by 8 foot rear projection screen. The keyboard shall be attached to the operators station. The power requirements are standard 120 VAC, maximum 40 Amps per IOS and 109 Amps per OS. The contract will use all ATLAS II software and electronic control modules used on the ATLAS II design. The Classroom, Single Unit ETA shall be configured with 1 visual channel to provide the operator a field of view as seen from the operator's seat and include a "rear view mirror" inset when the ATLAS II would be performing back-up mode operations.

C.18.3.2 In a climate controlled 20 foot ISO container and include the Classroom, Single Unit AETA and a JP-8 powered, wheel mounted generator of sufficient power to operate the ETA and climate controls.

C.18.3.3 In a climate controlled 40 foot ISO container and include the Classroom, Single Unit AETA, and a table 6 foot in length, which shall be attached to the ISO container, and 6 swivel type chairs and a JP-8 powered, wheel mounted generator of sufficient power to operate the ETA and climate controls.

C.18.4 The Contractor shall add an additional electronic control module that includes an added generation II multi-drive interface co-processor for coordination. It shall include a dynamic interface recording/programming/plotting operations. The operating scenario shall be based on the Theater Distribution Center (TDC) operations, i.e. SWA, while incorporating Lessons Learned in-field real time requirements to allow pre-field training and sustainment refresher training for soldiers to interact in an atmosphere more like the TDC or AOR Support areas. Cabling required to interface two Classrooms, Single Units, that allows operational interaction between two AETA is also required.

C.18.5 The Contractor shall deliver a Technical Training Manual which will include an instructor's guide with each ATEA.

C.19 INTERIM CONTRACTOR LOGISTICS SUPPORT (ICLS)

We reserve the right to negotiate with you to provide ICLS, which would include but not be limited to spare and repair parts to support initial fielding and the initial support of the ATLAS II forklifts. The period of ICLS shall not exceed two years after the initial ATLAS II forklift is accepted by the government.

C.20 ATLAS II CREW PROTECTION KIT (CPK) AND CPK TECHNICAL DATA PACKAGE

The contractor shall design a Crew Protection Kit, (A/B Kit), to be integrated with the ATLAS II in accordance with paragraph 3.8, Crew Protection Kits, in Purchase Description 2325 dated 20 April 2005. The design effort shall include the use of 3-D CAD models using software compatible with Pro-Engineer. The design of the CPK shall include alterations to existing vehicle systems and components as necessary for safe operation and installation of the CPK. The CPK Technical Drawing Package (TDP) shall be developed and delivered in accordance with CDRL A027.

*** END OF NARRATIVE C 0001 ***

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SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Exhibit A	CONTRACT DATA REQUIREMENTS LIST (CDRL) A001 THROUGH A028			ELECTRONIC IMAGE